

IN THE CLAIMS:

All pending claims are produced below.

1. (Currently Amended) A system for printing comprising:

a user interface for receiving instructions from a user for controlling segmentation of

audio or video time-based media content for printing based on one or more

features within the audio or video time-based media content, the features

including any of speech recognition, optical character recognition, facial

recognition, speaker detection, facial detection and event detection, and for

generation of a printable representation of the media content, the user

interface comprising a content selection field displaying a graphical

representation of the audio or video time-based media content and the

instructions from the user comprising selection of a segment of the graphical

representation of the audio or video time-based media content;

a media analysis module communicatively coupled to the user interface, the media

analysis module analyzing the features of the audio or video time-based media

content to extract the segment of the audio or video time-based media content

selected from the graphical representation based at least in part on the

instructions received from the user in the user interface;

a media representation generation module for generating the printable representation

of the audio or video time-based media content based at least in part on the

extracted segment of the audio or video time-based media content and the

instructions received from the user in the user interface; and

an output device for printing the printable representation of the audio or video time-based media content to a tangible medium.

2. (Previously Presented) The system of claim 1, wherein the media analysis module further comprises content recognition software for recognizing the analyzed features in the audio or video time-based media content.

3. (Previously Presented) The system of claim 1, further comprising processing logic for controlling display of the user interface.

4. (Cancelled).

5. (Previously Presented) The system of claim 1, further comprising hardware for writing a digital representation of the audio or video time-based media content in digital format.

6. (Previously Presented) The system of claim 5, further comprising a storage medium for storing the digital representation of the audio or video time-based media content written in the digital format.

7. (Previously Presented) The system of claim 1, wherein the output device is configured to print to a paper format.

8. (Previously Presented) The system of claim 7, wherein the output device is further configured to print at least one user-selectable identifier associated with the audio or video time-based media content.

9. (Previously Presented) The system of claim 8, wherein the at least one user-selectable identifier comprises at least one barcode identifying the audio or video time-based media content in the printable representation.

10. (Previously Presented) The system of claim 8, wherein the at least one user-selectable identifier further comprises at least one play identifier that can be selected to play an associated audio or video time-based media content.

11. (Previously Presented) The system of claim 1, further comprising a data structure for representing transformation of the audio or video time-based media content.

12. (Original) The system of claim 1, further comprising a communication monitoring module for monitoring communication between the components of the system, wherein the communication monitoring module forwards requests for information and replies to requests among system components.

13. (Cancelled).

14. (Previously Presented) The system of claim 1, wherein the user interface further comprises a field for setting a threshold on confidence values associated with results of analyzing the features of the audio or video time-based media content.

15. (Previously Presented) The system of claim 1, wherein the user interface further comprises at least one field for managing and modifying display of media information in the printable representation of the audio or video time-based media content.

16. (Previously Presented) The system of claim 1, wherein the user interface further comprises a preview field for previewing active media frames within selected audio or video time-based media content.

17. (Previously Presented) The system of claim 1, wherein the user interface further comprises a preview field for previewing the printable representation generated by the media representation generation module.

18. (Cancelled).

19. (Previously Presented) The system of claim 1, wherein the content selection field further comprises a selector that a user can slide along the content selection field in order to select the segment.

20. (Previously Presented) The system of claim 1, wherein the graphical representation of the audio or video time-based media content enables a user to view the audio or video time-based media content and select segments of the audio or video time-based media content.

21. (Previously Presented) The system of claim 1, wherein the graphical representation of the audio or video time-based media content further comprises an audio waveform timeline displaying audio content.

22. (Previously Presented) The system of claim 1, wherein the graphical representation of the audio or video time-based media content further comprises a video timeline displaying video frames extracted from video content.

23. (Previously Presented) The system of claim 1, wherein the graphical representation of the audio or video time-based media content further comprises a video timeline displaying text extracted from video content.

24. (Previously Presented) The system of claim 1, wherein the content selection field further comprises a field for displaying the results of analyzing the audio or video time-based media content, the results being displayed as defined segments along a timeline.

25. (Previously Presented) The system of claim 1, further comprising an output device driver module for driving the audio or video time-based media content analysis and the media representation generation, the output device driver module being communicatively coupled to the user interface to receive user instructions.

26. (Original) The system of claim 25, further comprising an augmented output device for generating a media representation, the augmented output device being communicatively coupled to the media analysis software module to receive transformed media data, the augmented output device being communicatively coupled to the output device driver module to receive instructions for media representation generation.

27. (Currently Amended) A method for printing, the method comprising:

displaying a print dialog driver box to a user wherein the print dialog driver box comprises a user interface for receiving instructions from the user for controlling segmentation of audio or video time-based media content for printing based on one or more features within the audio or video time-based media content, the features including any of speech recognition, optical

character recognition, facial recognition, speaker detection, facial detection and event detection, and for generation of a printable representation of the audio or video time-based media content, the user interface comprising a content selection field displaying a graphical representation of the audio or video time-based media content and the instructions from the user comprising selection of a segment of the graphical representation of the audio or video time-based media content;

receiving the instructions from the user in the print dialog driver box;

analyzing the features of the audio or video time-based media content to extract the segment of the audio or video time-based media content selected from the graphical representation based at least in part on the instructions received from the user in the print dialog driver box;

generating the printable representation of the audio or video time-based media content based at least in part on the extracted segment of the audio or video time-based media content selected from the graphical representation and the instructions received from the user in the print dialog driver box; and

printing the printable representation of the audio or video time-based media content to a tangible medium.

28. (Cancelled).

29. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content comprises performing speech recognition on the audio or video time-based media content.

30. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content comprises performing optical character recognition on the audio or video time-based media content.

31. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content comprises performing face recognition on the audio or video time-based media content.

32. (Cancelled).

33. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content comprises performing speaker detection on the audio or video time-based media content.

34. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content further comprises performing face detection on the audio or video time-based media content.

35. (Previously Presented) The method of claim 27, wherein analyzing features of the audio or video time-based media content comprises performing event detection on the media content.

36. (Previously Presented) The method of claim 27, wherein displaying the print dialog box is responsive to receiving from the user a selection of a print function in a media rendering application.

37. (Previously Presented) The method of claim 27, further comprising storing the audio or video time-based media content on a storage medium that is accessible to an augmented output device.

38. (Previously Presented) The method of claim 27, wherein the print dialog box further displays audio or video time-based media content formatting options to the user.

39. (Cancelled).

40. (Previously Presented) The method of claim 27, further comprising receiving a selection of a threshold value to be applied to confidence levels associated with defined features that are recognized in media content.

41. (Previously Presented) The method of claim 27, further comprising outputting a preview of the printable representation of the audio or video time-based media content in a preview field that displays the printable representation prior to printing the printable representation.

42. (Previously Presented) The method of claim 41, further comprising receiving a selection of an update field after modifying the audio or video time-based content in the print dialog box to update the preview field.

43. (Previously Presented) The method of claim 27, further comprising receiving a selection of user-selected segments of the audio or video time-based media content in a field of the print dialog box by sliding a selector along a timeline displaying a representation of the audio or video time-based media content.

44. (Previously Presented) The method of claim 27, further comprising receiving selection of a play option on the print dialog box, and playing the audio or video time-based media content responsive to receiving the selection.

45. (Previously Presented) The method of claim 27, further comprising receiving a selection of a print option on a media rendering application, wherein the user selects parameters for transformation of the audio or video time-based media content.

46. (Previously Presented) The method of claim 27, further comprising:
receiving a selection of a print option on media rendering application;
performing a default audio or video time-based media content transformation on the audio or video time-based media content; and
showing the media representation is shown in a preview field of the print dialog box.

47. (Previously Presented) The method of claim 27, wherein printing the printable representation comprises printing the printable representation in a paper-based format.

48. (Previously Presented) The method of claim 47, further printing a user-selectable identifier on the paper-based format, the user-selectable identifier when selected instructs a media player to play the associated audio or video time-based media content.

49. (Previously Presented) The system of claim 1, wherein the printable representation of the audio or video time-based media content further comprises one or more timelines and the user interface comprises an option to specify a number of timelines displayed per page.

50. (Previously Presented) The system of claim 1, wherein the printable representation of the audio or video time-based media content further comprises one or more timelines and the user interface comprises an option to specify a number of pages to fit the one or more timelines.

51. (Previously Presented) The system of claim 24 wherein the content selection field comprises an edit segment option to edit a length of the defined segments.